

Title (en)

Plate-fin heat exchanger having defrost and liquid distribution devices and method of defrosting such a heat exchanger

Title (de)

Plattenwärmetaucher mit Vorrichtungen zum Abtauen und Verteilen von Flüssigkeiten und Verfahren zum Abtauen eines derartigen Wärmetauschers

Title (fr)

Echangeur de chaleur avec plaques à ailettes et avec dispositifs de dégivrage et de distribution de liquide et un procédé pour le dégivrage d'un tel échangeur

Publication

EP 0740119 B1 20020306 (EN)

Application

EP 96302865 A 19960424

Priority

US 43064695 A 19950428

Abstract (en)

[origin: EP0740119A2] A plate fin type heat exchanger (10) having open-ended passages (18) containing easyway or hardway finning (27,28) and alternating separate passages (20) is conditioned by introducing conditioning fluid into said open-ended passages (18). The conditioning fluid can be introduced at either end or intermediate the ends of said open-ended passages (18). The invention has particular application to downflow reboilers.
<IMAGE>

IPC 1-7

F25J 3/00

IPC 8 full level

F28F 3/08 (2006.01); **F25J 3/00** (2006.01); **F25J 3/04** (2006.01); **F28D 9/00** (2006.01); **F28D 9/02** (2006.01); **F28F 17/00** (2006.01); **F28G 9/00** (2006.01)

CPC (source: EP KR US)

F25J 3/04412 (2013.01 - US); **F25J 3/04824** (2013.01 - EP US); **F25J 5/005** (2013.01 - EP US); **F28D 9/0068** (2013.01 - EP US); **F28F 3/00** (2013.01 - KR); **F28F 17/00** (2013.01 - KR); **F25J 2250/04** (2013.01 - EP US); **F25J 2280/20** (2013.01 - EP US); **F25J 2290/32** (2013.01 - EP US); **F28D 2021/0033** (2013.01 - EP US); **F28F 2250/108** (2013.01 - EP US)

Cited by

FR3064345A1; EP1099919A1; EP0952419A1; FR2798599A1; EP1088578A1; FR2967762A1; EP3517878A1; US11221178B2; US6355145B1; WO2018172685A1; WO9831445A1; US6244072B1; DE102008053848A1

Designated contracting state (EPC)

BE DE ES FR GB IT NL

DOCDB simple family (publication)

EP 0740119 A2 19961030; EP 0740119 A3 19971217; EP 0740119 B1 20020306; CN 1125965 C 20031029; CN 1159568 A 19970917; DE 69619580 D1 20020411; DE 69619580 T2 20021031; ES 2173252 T3 20021016; JP 3216870 B2 20011009; JP H09101095 A 19970415; KR 100225298 B1 19991015; KR 960038340 A 19961121; TW 294775 B 19970101; US 5730209 A 19980324

DOCDB simple family (application)

EP 96302865 A 19960424; CN 96106173 A 19960426; DE 69619580 T 19960424; ES 96302865 T 19960424; JP 10984996 A 19960430; KR 19960013053 A 19960426; TW 85101439 A 19960206; US 43064695 A 19950428